



TOTAL WEIGHT - LBS 629,000
 ALL WEIGHTS FOR ENGINE AND TENDER IN WORKING ORDER

CORRECT APPROVED BY
Alvin H. [Signature]
 STONE

BOILER		HEATING SURFACE	LENGTH COVER SHEETS	DIA	GAUGE OR THICK	DESIGN DATA	GENERAL DATA
1	BOILER TUBES - 216 SPACING 1/16	2597	20' 6 1/2"	2 1/2"	12 MIN	CALCULATED EVAPORATION LBS./HR	BOILER PRESSURE
2	BOILER FLUES - 48 SPACING 1/4"	1176	20' 3 1/2"	5 1/2"	10 MIN	TUBES @ 4.62 LBS.	TRACTIVE EFFORT
3	TOTAL TUBES & FLUES	3773				FLUES @ 9.86 LBS.	FACTOR OF ADHESION
4	FIREBOX PROPER	2147				FIREBOX @ 55 LBS.	MAX. CURVATURE
5	COMBUSTION CHAMBER	106				COMBUSTION CHAMBER @ 55 LBS.	ENGINE TRUCK SWING
6	SYPHONS + 2 FIREBOX + 1 COMB. CHAMBER	95				2 SYPHONS @ 55 LBS.	TRAILING TRUCK SWING
7	TOTAL FIREBOX	415				TOTAL EVAPORATION	COAL CAPACITY
8	TOTAL EVAPORATING HEATING SURFACE	4188				STEAM CONSUMPTION (2624 X 20.8)	WATER CAPACITY
9	TOTAL SUPERHEATING HEATING SURFACE	11009				BOILER EFFICIENCY	STOKER
10	TUBE SHEETS					COMBUSTION CHAMBER AREA	VALVE GEAR
11	GRATE AREA					TOTAL WEIGHT	FEED WATER HEATER
12	WEIGHT WATER 3/4 GAUGES					TOTAL WEIGHT	TRUCK CHAMBERS
13						TOTAL WEIGHT	TRUCK CUT OFF
14						TOTAL WEIGHT	
15						TOTAL WEIGHT	